



## Service Description: Advanced Services – Fixed Price StadiumVision Director – Head End (per 5 nodes) (ASF–SESG–G–SVD–VHE)

This document describes Advanced Services Fixed Price: StadiumVision Director – Head End (per 5 nodes)

**Related Documents:** This document should be read in conjunction with the following documents also posted at [www.cisco.com/go/servicedescriptions/](http://www.cisco.com/go/servicedescriptions/): (1) Glossary of Terms; (2) List of Services Not Covered. All capitalized terms in this description have the meaning ascribed to them in the Glossary of Terms.

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### StadiumVision Director – Head End (per 5 nodes)

## Service Summary

StadiumVision Director – Head End (per 5 nodes) Services provide remote and onsite planning, design, and build assistance (the "Services") to Customer for the deployment of up to five (5) in Cisco's StadiumVision Director solution that includes the below deliverables. This Service is intended to supplement the StadiumVision Director solution and is only available when StadiumVision Director - SVD Starter Kit (50 DMP Base) Services ("Starter Kit") have also been purchased. The below deliverables will be incorporated to existing deliverable documents delivered as a part of the Starter Kit and will not be separately provided under this Service.

### Deliverables

- StadiumVision Detailed Design Document (SV HLD, SV LLD)
- StadiumVision Configuration
- Solution Ready for Use (SRFU) Document
- Testing
- As-Built Documentation

### Location of Services

Services are delivered remote and onsite to Customer.

### Customer Requirements Document

### Cisco Responsibilities

- Gather the Customer's required features and functionality for StadiumVision such as: a). StadiumVision configuration; b). LAN/WAN network architecture; c). network infrastructure connectivity; d). scalability; e). redundancy; f). LAN/WAN IP QoS details to support StadiumVision; g) IP Video Head End; h). Cisco's Security design best practices.
- Document the Customer's required features and functionality requirements for the StadiumVision implementation in the Customer Requirements Document (CRD). The CRD is a detailed overview of the Customer's existing environment as it pertains to StadiumVision, along with the Customer's required functional specifications for the StadiumVision implementation, which shall be limited to five (5) Head End node installation.
- Provide the CRD to Customer for review and approval.

### Customer Responsibilities

- Provide Customer's final requirements to Cisco no later than five (5) Business Days following project kick-off. Provide requested information pertaining to the Customer's desired features and functionality for the StadiumVision implementation.
- Review and approve the CRD with Cisco within five (5) days of delivery by Cisco.

### Detailed Design Development

#### Cisco Responsibilities

- Create and provide the StadiumVision High Level Design (SV HLD) document based upon the approved CRD which shall be limited to defining the StadiumVision hardware and software, considering the prerequisite environmental and organizational requirements. The SV HLD may include a description of required surveys and/or assessments and may include the architectural design, as determined applicable by Cisco.
- Provide the SV HLD to Customer for review and approval in accordance. Create and provide the StadiumVision Low Level Design (SV LLD) document based upon the CRD and the SV HLD which shall be limited to defining the next level of detail regarding the Cisco StadiumVision environment as specified.
- The SV LLD includes a definition and design for the following: a). StadiumVision physical and logical architecture; b). network protocols and features; c). recommended software releases; d). configuration templates for Cisco network devices; e). IP video distribution
- Provide the SV LLD to Customer for review and approval.

#### Customer Responsibilities

- Provide IP addressing and subnet masks, network physical and logical schematics, required security policies and any other necessary data to Cisco at least five (5) days prior to the scheduled submission of the SV LLD for review and approval.
- If requested by Cisco, provide physical and logical network schematics for other network elements not included in the scope of this project.
- Provide and verify interface specifications and requirements. For example, cabling standards and specifications for interconnect of Cisco and Customer equipment.
- Provide information on distance and interference limitations of interface cables to be used at installation.
- Review and approve the SV HLD with Cisco in accordance with Cisco within five (5) days of delivery by Cisco.

- Customer acknowledges and agrees that Cisco will not proceed with development of the SV LLD until Customer has provided sign-off on the SV HLD.
- Review and approve the SV LLD with Cisco within five (5) days of delivery by Cisco. Customer acknowledges and agrees that the project cannot proceed until Customer has provided sign-off on the SV LLD.

### Configuration

#### Cisco Responsibilities

- Configure and implement Cisco Encoders and Cisco Digital Content Managers (DCM) that will broadcast Video channels onto the IP network for the Cisco Video Head End in accordance with SV LLD. Configure and activate in-use video streams that are provided by the customer.
- Configure the SVD software for Event Operations as per the SV LLD including: a). Display Zones - Not to exceed five (5) Display Zones; b). Event Scripts for control of Display Zones - Not to exceed one (1) Event Scripts; and (c) Display Content Templates – not exceed three (3).
- Perform Software upgrade for Cisco Head End nodes to meet minimum levels specified in the CRD.

#### Customer Responsibilities

- Perform rack and stack of all hardware as per the SV LLD document.
- Configure and install cabling including the following activities: a). Bundle, cover ("dress"), and label routing cables in accordance with SV LLD; b). Install equipment in appropriate rack and/or mounting location. Communicate and coordinate implementation activities with all relevant parties responsible for, among other things, Ethernet/coax wiring, display mounting and install, and all other SV relevant activities.
- Work with Cisco to facilitate communication between Customer stakeholders (and between third parties, if applicable) during configuring, installing and testing Customer's StadiumVision Interactive IP Applications to meet Cisco StadiumVision requirements.
- Staging activities. For these purposes, Customer shall provide staging operations at a facility to be provided by the Customer. This includes checking for DOA, application of final software revision, and preliminary configuration. This also includes testing and burn-in for a mutually agreed to time, and shipment to the Customer or other location agreeable to Customer. Customer is responsible for all costs for shipping and insurance costs from staging facility to end location.
- Ensure ALL video sources are contracted in and activated prior to the scheduled start date for Cisco to configure the Video Head End equipment in accordance with the CRD.
- Facilitate communication with third parties responsible for furnishing, provisioning and terminating venue video assets in the video Head End to meet Cisco StadiumVision requirements as per the CRD.

- Provide network ports for Head End equipment and management system as per the SV LLD.
- Customer is responsible for Display interoperability with Cisco StadiumVision solution.
- On completion of the StadiumVision Configuration with Cisco within five (5) days of delivery by Cisco.

## **Testing**

### **Cisco Responsibilities**

- Develop a Solution Ready for Use (SRFU). The StadiumVision Solution consists of hardware and software for integration, management and delivery of video and audio content across an IP infrastructure for playback on high-definition video displays for sporting venues. SRFU refers to a detailed plan developed by Cisco and agreed to by the Customer to test implementation of individual components, and all interactions between hardware and software components to simulate an actual event. The SRFU will include: a). SRFU test/use cases; and b). specific set of procedures in order to execute the SRFU.
- Perform the testing in accordance with the SRFU.
- Following execution of the SRFU, provide the SRFU with test results to Customer for review and approval.

### **Customer Responsibilities**

- Provide input necessary for Cisco to develop the criteria and test/use cases to be used in the SRFU, as required by Cisco.
- Review and approve the completed SRFU with Cisco within five (5) days of delivery by Cisco.

## **AS-Built Documentation**

### **Cisco Responsibilities**

- Create and provide the As-Built Documentation. As-Built documentation may include information such as appropriate design documentation, system utilities, all passwords and log-in, support processes, logging processes and locations, and third-party contacts. The As-Built Documentation shall be developed, as necessary at Cisco's determination, for the following: a). StadiumVision physical and logical architecture; b). IP video distribution; Scripting Content Control Application; and c). StadiumVision Director Application including: IP Phone Channel Display and Game Scripting Content Control.
- Provide the As-Built Documentation to Customer with Cisco within five (5) days of delivery by Cisco.

### **Customer Responsibilities**

- Review and approve the completed SRFU with Cisco within five (5) days of delivery by Cisco.

### **Document Deliverable Review Process**

For Document Deliverables that are subject to review and approval from Customer, the parties will adhere to the following review and approval process:

- Cisco will present the draft Document Deliverable to Customer when the document is ready for review and approval.
- Customer shall review the draft Document Deliverable with Cisco, providing written comment or approval of the Document
- Deliverable within two (2) business days immediately after completion of such review.
- If no comment or approval is received by Cisco within said time period, the Document Deliverable as provided by Cisco will be deemed to be accepted by the Customer.
- If Customer provides comments, then Cisco shall address such comments in a timely manner and this process for review and approval will be repeated.

### **General Customer Responsibilities**

- All information (such as but not limited to: designs, topologies, requirements) provided by Customer is assumed to be up-to-date and valid for the Customer's current environment. Cisco Services are based upon information provided to Cisco by Customer at the time of the Services.
- Customer acknowledges that the completion of Services is dependent upon Customer meeting its responsibilities as indicated herein.
- Identify Customer's personnel and define their roles in the participation of the Services. Such personnel may include but is not limited to: architecture design and planning engineers, and network engineers.
- Customer shall provide Cisco with direct remote access.
- Customer will be responsible for receiving and tracking of all hardware, software, and licensing related to the project.
- Ensure Customer's personnel are available to participate during the course of the Services to provide information and to participate in scheduled information gathering sessions, interviews, meetings and conference calls.
- Support services provided by Cisco comprise technical advice, assistance and guidance only.
- Customer expressly understands and agrees that the Services shall take place and complete within ninety (90) calendar days from issuing a Purchase Order to Cisco for the Services herein.

### **Invoicing and Completion**

#### **Invoicing**

Services will be invoiced upon completion of the Services.

#### **Completion of Services**

Cisco will provide written notification upon completion of the Services to Customer. The Customer shall within five (5) Business Days of receipt of such notification provide written acknowledgement of Cisco's completion of the Services. Customer's failure to acknowledge completion of the Services or to provide reasons for rejection of the Services within the five (5) Business Day period signifies Customer's

acceptance of completion of the Services in accordance with this Service Description.